

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 82.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-022178**Date Inspected:** 11-Mar-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** Westmont Industries**Location:** Santa Fe Springs, CA.**CWI Name:** Ruben Dominguez**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Travelers**Summary of Items Observed:**

This Quality Assurance Inspector Sean Vance arrived on site at Westmont Industries (WMI) in Santa Fe Springs, CA, to randomly observe the in process welding, QC inspection and non-destructive testing of the Travelers. Upon the arrival of the QA Inspector, the following observations were made:

**Traveler Test Rack**

This QA Inspector randomly observed WMI production personnel performing fitting, welding and cutting activities on various assemblies for the Traveler Test Rack.

**E2/E3-EB Traveler**

This QA Inspector performed approximately 10% or greater Magnetic Particle Testing (MT) on the previously completed fillet and flare groove welds, E2/E3-EB Traveler assemblies. Prior to the testing, this QA Inspector noted that these assemblies, appeared to have been previously tested by Smith Emery QC Inspector Ruben Dominguez and Mr. Dominguez had found no rejectable indications. Also, this QA Inspector noted that Mr. Dominguez had performed the testing in accordance to the approved procedure SE-MT-CT.D1.1-105. Upon completion, this QA Inspector found no rejectable indications, per the applicable procedure and then completed an applicable Magnetic Particle Testing report (TL-6028).

This QA Inspector observed WMI production welder Mr. Charles Newton (WID # 3200) continuing to perform Shielded Metal Arc Welding (SMAW) activities on the E2/E3-EB Traveler elevating platform assemblies. This QA Inspector observed Mr. Newton performing the SMAW in the vertical position on plate material. This QA Inspector observed that the welding activities were being performed to seal weld the plate joints around the hinge

---

## WELDING INSPECTION REPORT

( Continued Page 2 of 3 )

---

point areas. This QA Inspector noted that per the contract requirements, all connections are required to be seal welded all around, whether specifically called for or not on the drawing details. At this time, this QA Inspector noted that the above mentioned pre-qualified WPS and Mr. Newton's welding qualifications have not been formally submitted to Caltrans for review.

This QA Inspector observed WMI production welder Mr. Juan Jimenez (WID #3059) continuing to perform Flux Core Arc Welding (FCAW) activities on the E2/E3-EB Traveler assemblies. This QA Inspector observed Mr. Jimenez performing the FCAW in all positions on plate and tube steel material, randomly throughout the shift.

This QA Inspector observed WMI production welder Mr. Eutimo Lopez (WID #3035) continuing to perform Flux Core Arc Welding (FCAW) activities on the E2/E3-EB Traveler assemblies. This QA Inspector observed Mr. Lopez performing the FCAW in all positions on plate and tube steel material, randomly throughout the shift.

### E2/E3-WB Traveler

This QA Inspector observed WMI production welder Mr. Jose Miranda (WID #3083) continuing to perform Flux Core Arc Welding (FCAW) tacking and fitting activities on the E2/E3-WB Traveler frame assemblies. This QA Inspector observed Mr. Miranda performing the activities on tube steel material, throughout the shift.

This QA Inspector observed WMI production welder Mr. Jose Rodriguez (WID #3031) continuing to perform Flux Core Arc Welding (FCAW) tacking and fitting activities on the E2/E3-WB Traveler frame assemblies. This QA Inspector observed Mr. Rodriguez performing the activities on tube steel material, throughout the shift.

### SAS-WB Traveler

This QA Inspector observed WMI production welder Mr. Daniel Grayum (WID # 3049) continuing to perform Flux Core Arc Welding (FCAW) activities on the SAS-WB Traveler frame assemblies. This QA Inspector observed Mr. Grayum performing the FCAW in all positions on tube steel and plate material, randomly throughout the shift.

This QA Inspector randomly observed that Smith Emery QC Inspector Mr. Ruben Dominguez was present, during the above mentioned welding and fitting activities. During random observation, this QA Inspector observed that the applicable WPS's and copies of the shop drawings, appeared to be located near each work station, where the above mentioned welding and fitting activities were being performed. This QA Inspector randomly verified that the consumable material, utilized during the welding appeared to be in compliance with the applicable WPS and that the above mentioned welders were currently qualified for the applicable process and position of welding. This QA Inspector randomly observed QC Inspector Dominguez verifying the in-process welding parameters, including voltage, amperage, pre-heat and travel speed and the parameters appeared to be in compliance to the applicable WPS.

This QA Inspector observed that the activities mentioned above, appeared to be in compliance with the contract requirements and this QA Inspector observed no non-conforming issues, on this date.

### Summary of Conversations:

As noted above.

### Comments

---

## WELDING INSPECTION REPORT

( Continued Page 3 of 3 )

---

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Nina Choy (510) 385-5910, who represents the Office of Structural Materials for your project.

---

<b>Inspected By:</b>	Vance,Sean	Quality Assurance Inspector
<b>Reviewed By:</b>	Edmondson,Fred	QA Reviewer

---